Bulletin
ServiceLink SM

SERVICE TIPS FOR THE PROFESSIONAL TECHNICIAN

Bulletin SL8-97

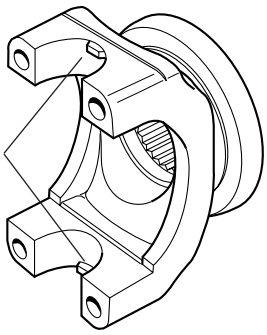
CENTERING OF U-JOINTS IN HALF-ROUND END YOKES

When installing universal joints it is imperative that all the necessary retaining rings be installed on the bearing cups. The bearing cups that mount in the drive shaft may use internal or external retaining rings. If a external retaining ring is used to secure the bearing there will be a groove in the drive shaft yoke ear hole, figure 2, to receive the ring.

Bearing cups that are the plain round type use locator tabs in the end yoke to position the joint. Bearing cups which have a retaining ring groove and mount in the end yoke use internal retaining rings to locate and center the joint, figure 2. The retaining rings should fit flush against the inner sides of the end yoke, figures 1 & 2. Failure to install these retaining rings can result in the u-joint not being properly centered and drive shaft vibration. The applications where this can occur commonly use the 315G/317 or 534G u-joint.

END YOKE TYPES

End Yoke with Locator Tabs
BEARING CUPS WILL BE THE PLAIN ROUND TYPE.



End Yoke with Machined Face
BEARING CUPS WILL USE INTERNAL RETAINING RINGS.

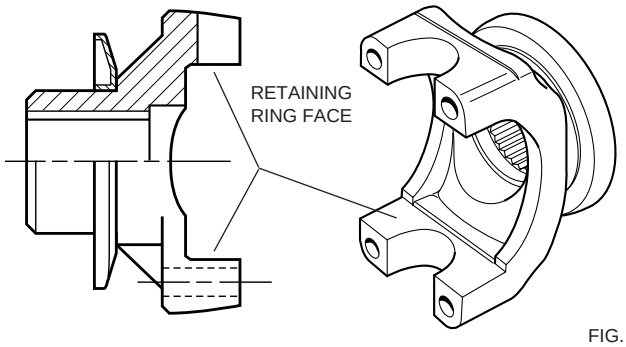


FIG. 1

EXPLODED VIEW OF A TYPICAL DRIVE SHAFT AND END YOKES

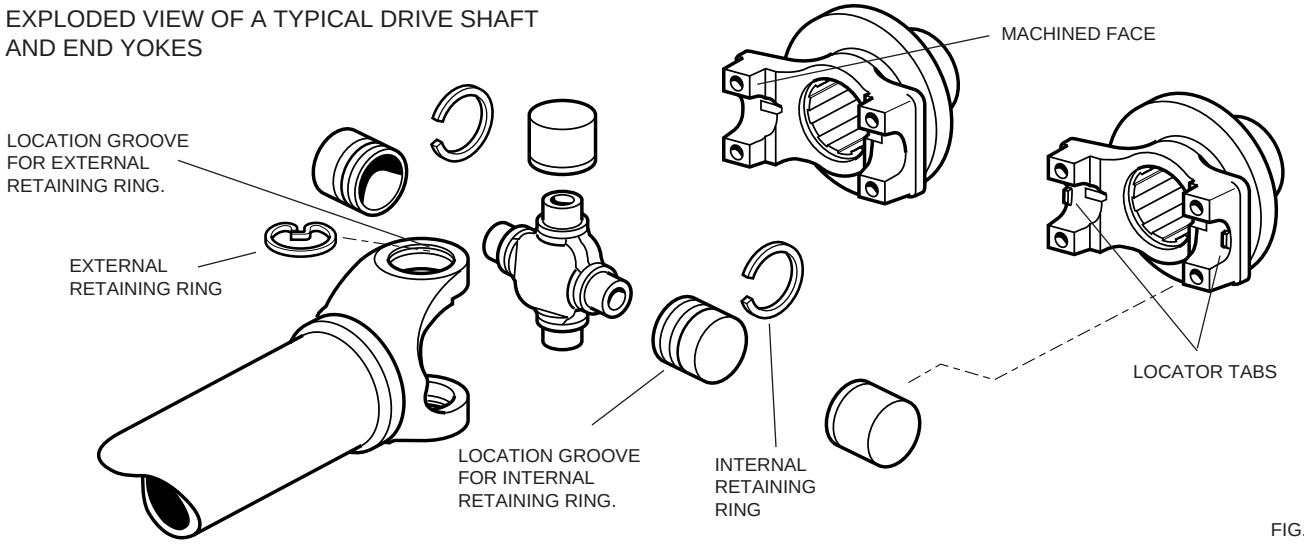


FIG. 2

SL897 60M 0797 L(D) Printed in U.S.A.